

REMARKS

Reconsideration and allowance of the subject application are respectfully requested.

Upon entry of this Amendment, claims 1-10 claims pending in the application. In response to the Office Action (Paper No. 5), Applicant respectfully submits that the pending claims define patentable subject matter. By this Amendment, Applicant has amended claims 1-10 to improve clarity.

I. Preliminary Matters

The title of the invention is objected to because the Examiner maintains that the title is not descriptive of the invention to which the claims are directed. By this Amendment, Applicant has amended the title to improve clarity. Accordingly, the Examiner is requested to remove the objection to the title.

The specification is objected to because (1) the specification lacks associated headings for each section and (2) the word “characterised” should be “characterized”. By this Amendment, Applicant has amended the specification to improve clarity. Accordingly, the Examiner is requested to remove the objection to the specification.

The drawings are objected to because the Examiner maintains that the box elements in Figure 1 should be provided with descriptive text labels and that boxes 34-36 lack specific functionality and should be removed. Along with this Amendment, Applicant is submitting a Proposed Drawing Correction labeling the boxes in Figure 1 with the descriptive labels in accordance with their descriptions in the specification, and removing boxes 34-36 from Figure 1. Accordingly, the Examiner is requested to remove the objection to the drawings.

II. Rejection of claims 1-10 under 35 U.S.C. § 102(b)

Claims 1-10 are rejected under 35 U.S.C. § 102(b) as being anticipated by Barzegar et al. (USP 6,363,079; hereafter "Barzegar"). The Examiner maintains that Barzegar discloses all of the features of independent claims 1, 4, 7 and 10 including a detector for detecting an indication signal and an adjustor adjusting a capacity parameter for the vocal commanding based on the indication signal. Applicant respectfully submits that the claimed invention would not have been anticipated by or rendered obvious in view of Barzegar.

Barzegar is directed to a wideband communications link layer interface between the digital networks employed by interexchange carriers and wideband local loop systems connecting subscribers (e.g., an interface for digital subscriber local loops to homes and businesses that provide multiple voice and data channels over twisted pair media). As shown in Figure 1, an intelligent services director (ISD) 22 is coupled to a central office 34 via a twisted-pair wire 30, a connector block 26, and/or a main distribution frame (MDF) 28. The ISD 22 and the central or local office 34 may communicate with each other using, for example, framed, time division, frequency-division, synchronous, asynchronous and/or spread spectrum formats. The central office 34 includes a facilities management platform (FMP) 32 for processing data exchanged across the twisted-pair wire 30 and supporting plain old telephone service (POTS) by handling voice signals digitized by the ISD 22 in various ways.

The FMP interface applies and receives signaling and voice through a digital loop carrier (DLC) via a multiplexer connected directly to the DLC backplane. The multiplexer is controlled

by a controller of an access module which translates data from the subscriber link to the form compatible with the digital backplane to create the appearance of one or more line cards. The FMP also may contain a sound generator to allow it to handle calls through an analog carrier network. The FMP, through the same access module transmits data to and from the modems directly through connected digital networks, such as ATM or SONET, of an interexchange carrier.

Applicant respectfully submits that it is quite clear that Barzegar does not teach or suggest adjusting a capacity parameter for the vocal commanding based on the indication signal, as claimed. While Barzegar does disclose utilizing speech recognition in a voice dialing scenario (e.g., see column 15, lines 1-30), the capacity parameter for the vocal commanding appears to be fixed. On the other hand, the present invention, teaches that a flexible capacity parameter is utilized for adjusting the available bandwidth between terminal and speech recognizer and/or for adjusting a processor capacity of terminal and/or speech recognizer, e.g., a sampling rate or a noise reduction being deactivated, as a result of which name dialing, command and control, and dictation can be done with the highest efficiency.

Accordingly, Applicant respectfully submits that independent claims 1, 4, 7 and 10, should be allowable because the cited reference does not teach or suggest all of the features of the claims.

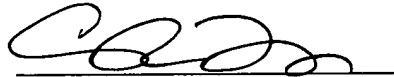
III. Conclusion

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In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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WASHINGTON OFFICE



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PATENT TRADEMARK OFFICE

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APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE TITLE:

The title is changed as follows:

TELECOMMUNICATION SYSTEM, [AND] SPEECH RECOGNIZER, AND
TERMINAL, AND METHOD FOR ADJUSTING CAPACITY FOR VOCAL COMMANDING

IN THE SPECIFICATION:

The specification is changed as follows:

Page 1, please insert the following heading before the first full paragraph:

Background of the Invention

Page 1, please insert the following heading before the fourth full paragraph:

Brief Summary of the Invention

Page 1, fifth full paragraph:

Thereto, the telecommunication system according to the invention is [characterised]
characterized in that said telecommunication system comprises a detector for detecting an
indication signal and comprises an adjustor for in dependence of said indication signal adjusting
a capacity parameter for said vocal commanding.

Page 2, third full paragraph:

A first embodiment of the telecommunication system according to the invention is [characterised] characterized in that said adjustor in dependence of a network signal further adjusts said capacity parameter.

Page 2, fifth full paragraph:

A second embodiment of the telecommunication system according to the invention is [characterised] characterized in that said terminal comprises a preprocessing unit for preprocessing signals, with said network comprising a final processing unit for final processing said preprocessed signals.

Page 3, first full paragraph:

The speech recognizer according to the invention is [characterised] characterized in that said telecommunication system comprises a detector for detecting an indication signal, with said speech recognizer comprising an adjustor for in dependence of said indication signal adjusting a capacity parameter for said vocal commanding.

Page 3, second full paragraph:

A first embodiment of the speech recognizer according to the invention is [characterised] characterized in that said adjustor in dependence of a network signal further adjusts said capacity parameter.

Page 3, third full paragraph:

A second embodiment of the speech recognizer according to the invention is [characterised] characterized in that said terminal comprises a preprocessing unit for preprocessing signals, with said speech recognizer comprising a final processing unit for final processing said preprocessed signals.

Page 3, fifth full paragraph:

The terminal according to the invention is [characterised] characterized in that said telecommunication system comprises a detector for defecting an indication signal and comprises an adjustor for in dependence of said indication signal adjusting a capacity parameter for said vocal commanding.

Page 3, sixth full paragraph:

A first embodiment of the terminal according to the invention is [characterised] characterized in that said terminal comprises a man-machine-interface for receiving said indication signal.

Page 3, seventh full paragraph:

A second embodiment of the terminal according to the invention is [characterised] characterized in that said terminal comprises a preprocessing unit for preprocessing signals, with

said network comprising a final processing unit for final processing said preprocessed signals.

The paragraph bridging pages 3 and 4:

The method according to the invention is [characterised] characterized in that said method comprises a first step of detecting an indication signal and a second step of in dependence of said indication signal adjusting a capacity parameter for said vocal commanding.

Page 4, please insert the following heading before the third full paragraph:

Brief Description of the Drawings

Page 4, please insert the following heading before the fifth full paragraph:

Detailed Description of the Invention

IN THE CLAIMS:

The claims are amended as follows:

1. (Amended) [Telecommunication] A telecommunication system comprising:
a network;
a terminal [coupled] communicably linked to [a] said network,
wherein said network [comprising a speech recognizer for vocal commanding,
characterised in that said telecommunication system comprises] comprises:
a switch comprising a detector for detecting an indication signal[, and comprises];
and
a speech recognizer for vocal commanding, said speech recognizer comprising an
adjustor for [in dependence of said indication signal] adjusting a variable capacity
parameter for said vocal commanding based on said indication signal detected by said
detector.
2. (Amended) [Telecommunication] A telecommunication system according to claim 1,
[characterised in that] wherein said adjustor [in dependence of a network signal] further adjusts
said capacity parameter based on a network signal generated by said network.
3. (Amended) [Telecommunication] A telecommunication system according to claim 1,
[characterised in that] wherein said terminal comprises a preprocessing unit for preprocessing

signals, [with said network comprising] and said speech recognizer comprising a final processing unit for final processing said preprocessed signals.

4. (Amended) [Speech] A speech recognizer for use in a telecommunication system comprising a terminal coupled to a network comprising said speech recognizer for vocal commanding[, characterised in that said telecommunication system comprises] and a detector for detecting an indication signal, [with] said speech recognizer comprising an adjustor [for in dependence of said indication signal] adjusting a capacity parameter for said vocal commanding based on said indication signal detected by said detector.

5. (Amended) [Speech] A speech recognizer according to claim 4, [characterised in that] wherein said adjustor [in dependence of a network signal] further adjusts said capacity parameter based on a network signal generated by said network.

6. (Amended) [Speech] A speech recognizer according to claim 5, [characterised in that] wherein said terminal comprises a preprocessing unit for preprocessing signals, [with] and said speech recognizer [comprising] further comprises a final processing unit for final processing said preprocessed signals.

7. (Amended) [Terminal] A terminal for use in a telecommunication system comprising [said terminal coupled to] a network comprising a speech recognizer for vocal commanding,

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[characterised in that] said terminal being coupled to said network and generating an indication signal, wherein said telecommunication system comprises a detector for detecting [an] said indication signal and [comprises] an adjustor [for in dependence of said indication signal] adjusting a capacity parameter for said vocal commanding based on said indication signal.

8. Terminal according to claim 7, [characterised in that] wherein said terminal comprises a man-machine-interface for receiving said indication signal.

9. (Amended) Terminal according to claim 7, [characterised in that] wherein said terminal comprises a preprocessing unit for preprocessing signal, with said network comprising a final processing unit for final processing said preprocessed signals.

10. Method for use in a telecommunication system comprising a terminal coupled to a network, said network comprising a speech recognizer for vocal commanding, [characterised in that] said method [comprises a first step of] comprising:

detecting an indication signal; and

[a second step of in dependence of said indication signal] adjusting a capacity parameter for said vocal commanding based on said indication signal.

Claims 11-14 are added as new claims.